

ANALYTICAL & CONSULTING CHEMISTS

Environmental Chemists, Inc.

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info@environmentalchemists.com

August 17, 2018

Brunswick County Public Utilities Post Office Box 249 Bolivia, NC 28422 Attn: Glenn Walker

Report #2018-12102 Collected – July 27, 2018

Enclosed please find your analytical report.

Sincerely,

Tammy Duran Environmental Chemists, Inc.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis **Customer: Environmental Chemists** NLS Project: 304638

Page 2 of 2

Project Description: PFCs by EPA 537 w/GenX

Project Title: Template: 537PPTGENX Printed: 08/16/2018 09:30

ANALYTE NAME	RESULT	UNITS WWB	믿	LOD	Loa	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	pgt		6.6	21		
perfluorohexanoic acid (PFHxA)	18.4	ppt		<u></u>	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.31	ppt		0.73	2.3		
perfluoroheptanoic acid (PFHpA)	21.8	ppt		0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[5.69]	ppt	_	2.8	8.8		C
perfluorooctanoic acid (PFOA)	11.2	ppt		1.2	3.9		
perfluorononanoic acid (PFNA)	[2.2]	ppt		<u>.</u> 5	4.9		_
perfluorooctanesulfonic acid (PFOS)	12.8	рр		1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.48]	ppt		0.90	2.7		_
perfluoroundecanoic acid (PFUnA)	Z	ppt		1.0	3.0		
perfluorododecanoic acid (PFDoA)	N	ppt	-4	1.9	6.1		
perfluorotridecanoic acid (PFTrDA)	8	pp		3.2	70		
perfluorotetradecanoic acid (PFTA)	N	ppt		2.8	8,9		
C13-PFHxA (SURR)	58.572%						SR S
C13-PFDA (SURR)	97.11%						S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method. SR = Surrogate recovery was outside QC limits.

C13-PFHxA recovered below QC limits.

ANALYTE NAME	RESULT	UNITSWWB	미	LOD	<u>م</u>	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		6.6	21		
perfluorohexanoic acid (PFHxA)	19.3	ppt	_	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3,42	ppt	_	0.73	2.3		
perfluoroheptanoic acid (PFHpA)	21.6	ppt		0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[5.33]	ppt	_	2.8	8.8		C
perfluorooctanoic acid (PFOA)		ppt		1,2	3.9		
perfluorononanoic acid (PFNA)	[2.14]	ppt		.1 .55	4.9		_
perfluorooctanesulfonic acid (PFOS)	11.9	ppt		1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.23]	ppt		0.90	2.7		_
perfluoroundecanoic acid (PFUnA)	ND	ppt	_	<u>1</u> .0	3.0		
perfluorododecanoic acid (PFDoA)	S	ppt		1.9	б. 1		
perfluorotridecanoic acid (PFTrDA)	S	ppt		3.2	10		
perfluorotetradecanoic acid (PFTA)	N	ppt		2.8	8.9		
C13-PFHxA (SURR)	56%						SR S
C13-PFDA (SURR)	92.998%						S
NOTES ADDITIONS IN TO THIS ANALYSIS:							

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

SR = Surrogate recovery was outside QC limits.
C13-PFHxA recovered below QC limits.



TRYTORIES PROTESTS, NO

NCDENR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

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Comments: